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**GROUP:** Electrical

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**SUBJECT:**

Powertrain Control Module Initialization

**MODELS:**

2001 - 2004	(AN)	Dakota
2004 - 2005	(CS)	Pacifica
2001 - 2003	(DN)	Durango
2002 - 2005	(DR)	Ram Truck
2004 - 2005	(HB)	Durango
1999 - 2000	(JA)	Breeze/Cirrus/Stratus
2001 - 2005	(JR)	Sebring Convertible/Sebring Sedan/Stratus Sedan
1998 - 2000	(JX)	Sebring Convertible
2002 - 2005	(KJ)	Liberty
1999 - 2004	(LH)	300M/Concorde/Intrepid/LHS
2005	(LX)	300/Magnum
2005	(ND)	Dakota
2000 - 2005	(PL)	Neon/SX 2.0
2001 - 2005	(PT)	Chrysler PT Cruiser/Chrysler PT Cruiser Convertible
2001 - 2005	(RS)	Town & Country/Caravan/Voyager
2001 - 2005	(ST)	Sebring Coupe/Stratus Coupe
1998 - 2005	(TJ)	Wrangler
2004 - 2005	(VA)	Sprinter
1999 - 2004	(WJ)	Grand Cherokee
2005	(WK)	Grand Cherokee
1999 - 2001	(XJ)	Cherokee
2005	(ZB)	Viper
2004 - 2004	(ZH)	Crossfire Coupe/Crossfire Roadster

**NOTE:** The model years and vehicles above must be equipped (optional) with Sentry Key Theft Deterrent System (sales code GXX) for this bulletin to apply.



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**DISCUSSION:****ALL LISTED VEHICLES EXCEPT SEBRING COUPE/STRATUS COUPE (ST), CROSSFIRE, AND SPRINTER.**

When a Powertrain Control Module (PCM) is replaced on vehicles equipped with the Sentry Key™ Theft Deterrent System, it must be initialized to properly function with the anti-theft module. This is accomplished at a Chrysler Group Dealer by using the DRBIII® or StarSCAN™ Scan Tool to enter a PIN number.

When the PIN number is not available from the vehicle owner or a Chrysler Group Scan Tool(s) is not available this can be accomplished by writing the Vehicle Identification Number (VIN) into the PCM using an after-market scan tool with a "VIN Write Function". More information is available from the scan tool manufacturer or the Equipment & Tool Institute.

**NOTE: After performing this procedure with an after-market scan tool on vehicles equipped with Chrysler Group's Next Generation Controller (NGC), Diagnostic Trouble Code (DTC) "P0633 - SKIM SECRET KEY DATA NOT STORED IN PCM" will be set. This DTC will not effect vehicle or system performance and cannot be erased.**

**SEBRING COUPE/STRATUS COUPE (ST)**

Initializing the PCM on these vehicles requires the use of a DaimlerChrysler scan tool (DRBIII®), J1962 MMC Cable, and ST22 PCMCIA Diagnostic Card. This equipment is available for lease from DaimlerChrysler for short periods of time. To lease the DRBIII® call 1-800-801-5420. A credit card deposit will be required.

**CROSSFIRE AND SPRINTER.**

Initializing the PCM on these vehicles requires the use of a DaimlerChrysler scan tool (DRBIII®), Multiplexer cable box, and the CH9043 Crossfire or CH9087 Sprinter PCMCIA card. This equipment is available for lease from DaimlerChrysler for short periods of time. To lease the DRBIII® call 1-800-801-5420. A credit card deposit will be required.

The DRBIII® will be shipped within 24 hours to your location by an overnight delivery service. When the DRBIII® is returned, your credit card will be charged the lease price.

**PCM INITIALIZATION PROCEDURE CROSSFIRE/SPRINTER:**

1. Before replacing the PCM, with the ignition switch in the "RUN" position, determine the part number of the PCM software . Connect the CH9043 MUX Cable, and the DRBIII® (with the CH9044 Crossfire Software card or CH 9087 Sprinter Software card plugged into it); to the vehicle. Using the DRBIII® select:
  - a. "DRBIII® Standalone"
  - b. "1998 - 2005 Diagnostics"
  - c. Make the appropriate selection: "2004 - 2005 Crossfire" or "2003 - 2004 Sprinter"
  - d. "System Select"
  - e. "Engine"
  - f. Record the ten (10) character "P/N" on the repair order for later reference.
2. Open TechAUTHORITY. TechAUTHORITY is available on the internet, [www.techauthority.com](http://www.techauthority.com)
3. At the "Home" page, open the "Powertrain Control Module Initialization" link.
4. Open the "Coding String Calculator for Sprinter & Crossfire Vehicles" link.
5. Open the "Select Module" pull down menu and select "PCM".

6. Select the appropriate "Transmission Type" button (Manual or Automatic).
7. Carefully enter the 17 character VIN.
8. Carefully enter the PCM software p/n recorded on the repair order in Step 1.
9. Select the "Calculate" button at the bottom of the window.

**NOTE: TechAUTHORITY will automatically populate the "Coding String", "SCN", and "Checksum" information.**

10. Print the information from the technician's PC.
11. Using the DRBIII® select:
  - a. "1. DRBIII® Standalone"
  - b. "1. 1998 - 2005 Diagnostics"
  - c. Make the appropriate selection: "5. 2004 - 2005 Crossfire" or "6. 2003 - 2004 Sprinter"
  - d. "1. System Select"
  - e. "1. Engine"
  - f. "9. Miscellaneous Functions"
  - g. "6. Read PCM Coding"
  - h. Verify that the PCM coding string on the DRBIII® matches the coding string on the sheet printed from the technician's PC.

**NOTE: The SCN on the DRBIII® may not match with the SCN printed from the technician's PC. This is OK.**

12. Turn ignition switch to the "LOCK" position.

***PCM INITIALIZATION PROCEDURE SEBRING COUPE/STRAUS COUPE (ST):***

1. Perform the "Registration Procedure" described in service bulletin 08-036-04. This service bulletin, including the password, is available on the internet at:  
[www.techauthority.com](http://www.techauthority.com) under the "Powertrain Control Module Initialization" link.

***POLICY:***

Information Only